

The Lepidoptera of the Cairngorms National Nature Reserve

By EUAN A. M. MACALPINE *

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MICROPTERIGIDAE

Micropterix aureatella (Scop.). — previously recorded by E.C.P.-C.

ERIOCRANIIDAE

Eriocrania sangii (Wood). — K.

HEPIALIDAE

Hepialus humuli (L.). — K. *H. hecta* (L.). — two good colonies at A & C. *H. fusconebulosa* (De Geer). — A; B; C; E; G; H; K.

NEPTICULIDAE

Stigmella hemargyrella (Kollar). — A, mines in beech. *S. nylandriella* (Teng.). — B & E, mines in rowan. *S. luteella* (Stain.). — A. *S. hybnerella* (Hübner.). — K, mines in hawthorn. *S. anomalella* (Goeze). — Glen Feshie, NN/8889, mines in *Rosa* species. *S. salicis* (Stain.). — A & Loch Gamhna, mines in willow. *S. tityrella* (Stain.). — A, mines in beech. *S. sorbi* (Stain.). — Creag Fhiaclach, mines in rowan; Glen Derry in 1970 & '71, E.C.P.-C. *S. lapponica* (Wocke). — mines in birch at Allt Ruadh, A, B & E. *Ectoedemia argentipedella* (Zell.). — mines in birch at Allt Ruadh. *E. mediofasciella* (Haw.). — B; C; mines in birch by Allt Ruadh. *Trifurcula immundella* (Zell.). — K.

OPOSTEGIDAE

Opostega salaciella (Treit.). — K.

INCURVARIIDAE

Phylloporia bistrigella (Haw.). — C; mines in birch by Allt Ruadh. *Incurvaria zinckenii* (Zell.). — K. *Lampronia oehlmanniella* (Treit.). — C; day-flying in Gleann Einich, above Loch an Eilein and in Lairig to tree-line. *Nematopogon panzerella* (Fab.). — A; K. *N. pilella* (D. & S.). — C; day-flying in Gleann Einich.

TINEIDAE

Myrmecozela ochraceella (Teng.). — one at F, 4.vii.76. *Haplotinea insectella* (Fab.). — one at K, 5.vii.76. *Nemapogon cloacella* (Haw.). — B; E; F; G; H. *N. picarella* (Clerck). — one day-flying at K, 6.vi.76. *Triaxomera fulvimitrella* (Sodoff.). — B. *Monopis rusticella* (Hübner.). — B; G. *M. weaverella* (Scott). — B; C; H; day-flying at Achlean/coire Garbhach. *Tinea seifluvela* (Haw.). — K.

OCHSENHEIMERIIDAE

Ochsenheimeria bisontella (L. & Z.). — day-flying in Gleann Einich.

LYONETIIDAE

Leucoptera spartifoliella (Hübner.). — C. *Bucculatrix capreella* (Krog.). — one day-flying above Loch Gamhna 18.v.76.

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GRACILLARIIDAE

Caloptilia elongella (L.). — K. *C. syringella* (Fab.). — K. *Aspilapteryx tringipennella* (Zell.). — K. *Parornix betulae* (Stain.). — K. *P. scotiella* (Stain.). — mines in Rowan at F. *Phyllonorycter sorbi* (Frey). — C; mines in rowan by Loch an Eilein. *P. junoniella* (Zell.). — H; larvae on cowberry at B & E. *P. corylifoliella* (Hübner). — K; mines in birch at E and by Allt Ruadh. *P. maestingella* (Müll.). — E. *P. alnifoliella* (Hübner). — mines in alder at E. *P. ulmifoliella* (Hübner). — K; mines in birch by Allt Ruadh. *P. emberizaepenella* (Bouché). — K. *P. froelichiella* (Zell.). — mines in alder at Loch an Eilein.

GLYPHIPTERIGIDAE

Glyphipterix simplicella (Steph.). — K.

YPONOMEUTIDAE

Argyresthia praecocella (Zell.). — A. *A. arceuthina* (Zell.). — A; E; H. *A. aurulentella* (Stain.). — Glen Derry, 1971; Carn Crom above 800 m., 1971; both records from E.C.P.-C. *A. goedartella* (L.). — A; B; C; D; E; F; G; H; K; many day-flying records from throughout the area, to 600 m. *A. pygmaeella* (Hübner). — K. *A. conjugella* (Zell.). — B; C; E; F; K; day-flying in the area of Loch an Eilein and Loch Gamhna. *Yponomeuta evonymella* (L.). — K. *Swammerdamia caesiella* (Hübner). — K. *Cedestis gysselella* (Zell.). — A; B; C; F; H; K. *C. subfasciella* (Steph.). — A; B; C; F; H; larvae on pine at E & F; Glen Luibeg, 1970, E.C.P.-C. *Ocnerostoma friesei* (Sven.). — K; pupae in pine needles by the river between B and Coylumbridge. *Ypsolopha dentella* (Fab.). — K. *Y. parenthesella* (L.). — A; B; C; F; G; day-flying at C, Loch Einich and at the back of Loch an Eilein; larvae on birch at C and on bog-myrtle at Achlean. *Y. vittella* (L.). — K. *Plutella xylostella* (L.). — B; C; F; day-flying at 1,150 m. on Cairn Gorm and in Glen Feshie near bothy. *Rhigognostis senilella* (Zett.). — one day-flying record from Loch Avon, near Shelter Stone. *R. incarnatella* (Steudel). — one at rest on old pine tree at A on 13.v.76 and one in trap at K on 23.v.76.

COLEOPHORIDAE

Coleophora serratella (L.). — A; K; pupal cases on birch at A & F. *C. vitisella* (Gregson.). — day-flying by Einich Gate. *C. albicosta* (Haw.). — K. *C. striatipennella* (Teng.). — K. *C. taeniipennella* (H.-S.). — day-flying at Achlean. *C. alticolella* (Zell.). — A; B.

ELACHISTIDAE

Elachista pulchella (Haw.). — E; G; H; K; day-flying at Achlean. *E. alpinella* (Stain.). — K. *E. kilmunella* (Stain.). — K; day-flying at Achlean. *E. luticomella* (Zell.). — K. *E. albi-frontella* (Hübner). — A; G.

OECOPHORIDAE

Schiffermuelleria subaquilea (Stain.). — B. *S. similella* (Hübner). — A; B; E; H; day-flying in Lairig to tree-line. *Borkhausenis fuscescens* (Haw.). — C; E; F; H; K; day-flying above Loch an Eilein. *Endrosis sarcitrella* (L.). — K. *Pleurota bico-*

stella (Clerck). — A; B; E; F; H; day-flying at A, B and Achlean; Glen Derry in 1971, E.C.P-C. *Hofmannophila pseudospretella* (Stain.). — G; K; larva in trap at H. *Tubuliferola josephinae* (Toll.). — H. *Semioscopis avellanella* (Hüb.). — K. *Depressaria pulcherimella* (Stain.). — K. *D. weirella* (Stain.). — one at K on 18.iv.76. *Levipalpus hepatariella* (L. & Z.). — one at E on 13.viii.77 and one at F on 21.viii.77. *Agonopterix arenella* (D. & S.). — A. *A. ocellana* (Fab.). — K. *A. assimillata* (Treit.). — A; B; C; E; F; G; day-flying in Lairig to tree-line and by Coire Follais burn. *A. nervosa* (Haw.). — C; K; larva on broom at B.

GELECHIIDAE

Monochroa tenebrella (Hüb.). — K; *Exoteleia dodecella* (L.). — A; C; E; F; H; day-flying at A and Loch Einich; Glen Derry in 1970, E.C.P-C. *Rhynchopacha tetrapunctella* (Thun.). — one at K on 1.vi.76. *Xenolechia aethiops* (H. & W.). — day-flying in the Lairig. *Teleiodes proximella* (Hüb.). — G. *T. alburnella* (Zell.). — three at K; 12.vii.76, 24.vii.76; & 28.vii.76; one at C on 29.vii.77. *Teleiopsis diffinis* (Haw.). — K. *Bryotropha similis* (Stain.). — recorded by E.C.-P., no details. *B. galbanella* (Zell.). — one at C, 9.vii.76; one day-flying near Loch an Eilein & Loch Gamhna, 23.vii.76; one in lairig, 22.vii.76; Glen Derry in 1970, E.C.P-C. *B. politella* (Stain.). — A; K; Glen Derry in 1970, E.C.P-C. *Mirificarma mulinella* (Zell.). — A; B; C; F; H; K. *Lita virgella* (Thun.). — day-flying at Loch an Eilein and at 1,150 m. on Cairn Gorm. *L. solutella* (Zell.). — E; K. *Neofaculta ericetella* (Hüb.). — A; C; E; F; G; H; day-flying at F & G and on all heaths from the tree-line in the Lairig round to Coire Garbhlach; also at Sinclair Hut at 600 m. *Scrobipalpa acuminatella* (Sircom). — E; K. *Acompsia cinerella* (Clerck). — K. *Dichromeris juniperella* (L.). — three specimens: H, 28.vi.76; H, 5.vii.76; A, 6.vii.76.

MOMPHIDAE

Mompa raschkiella (Zell.). — mines in rose bay willow herb by Allt Ruadh.

TORTRICIDAE

Dichrorampha petiverella (L.). — K. *D. montanana* (Dup.). — A; K. *D. plumbana* (Scop.). — day-flying at Achlean/coire Garbhlach. *Cydia cosmophorana* (Treit.). — day-flying above Loch an Eilein. *C. coniferana* (Ratz.). — A; day-flying in the Lairig, at Einich Gate, above Loch an Eilein and at Achlean. *Petrova resinella* (L.) — larvae in young pine shoots at A, B, C, Einich Gate and in Glen Feshie near bothy. *Rhyacionia pinivorana* (L. & Z.). — A; B; C; day-flying above Loch an Eilein and in the Lairig at 500 m. *R. duplana logaea* (Durr.). — K; day-flying at A and over wide areas of the heath. *Blastesthia posticana* (Zett.). — day-flying above Loch an Eilein. *Eucosma hohenwartiana* (D. & S.). — K. *E. cana* (Haw.). — K. *E. campoliliana* (D. & S.). — C; K. *Epiblema cynosbatella* (L.). — K. *Zeiraphera diniana* (Guenée). — A; C; E; F; H; K. *Rhopobota ustomaculana* (Curtis). — B; F; H; K; larvae at A, C, E on bilberry and cowberry; day-flying at A, Loch Einich, in the Lairig, above Loch an Eilein and by Creag

Ehiacloch/Craig Follais at 550 m. Glen Derry in 1971, E.C.P-C. *R unipunctana* (Haw.).— A; B; C; E; F; G; H; larvae on bilberry at E & H; found day-flying in nearly all areas to the tree-line. The commonest moth at light, e.g. about 5,000 at F on 21.viii.77. Glen Derry in 1970 & '71, E.C.P-C. *Epinotia stroemiana* (Fab.).— C; K. *E. caprana* (Fab.).— K. *E. brunnichana* (L.).— A; B; C; E; G; K; day-flying at A. *E. solandriana* (L.).— *E. subocellana* (Don.).— day-flying north of B. *E. bilunana* (Haw.).— K. *E. ramella* (L.).— C; E; G; K; day-flying around Loch an Eilein and Loch Gamhna and on Creag Fhiacloch to tree-line. *E. immundana* (F. von R.).— K. *E. tetraquetrana* (Haw.).— A; K; day-flying at F and around Loch an Eilein. *E. nisella* (Clerck.).— K. *E. tenerana* (D. & S.).— A; G; K; larva at B on bilberry; day-flying at A, C, lairig to tree-line and by Allt Ruadh. *E. nemorivaga* (Teng.).— K; day-flying at Einich Gate, Achlean/Coire Garbhlach and over Creag Fhialach/Coire Follais at 450 m. to 600 m. *E. tedella* (Clerck.).— K; day-flying at A and in the Lairig. *E. rubiginosana* (H.-S.).— K; day-flying near Einich Gate. *E. cruciana* (L.).— day-flying in Glen Feshie, NN/8888. *E. mercuriana* (Frölich).— day-flying from above Coire Dhondial to Braeriach summit and, on the other side, from Cairn Gorm to the March Burn. Also found near Fords of Avon and at 1,050 m. above Coire Sputan Dearg (east of Ben Macdui summit). *Ancylis unguicella* (L.).— day-flying in the Lairig, above Loch an Eilein and in the Achlean/Coire Garbhlach area. *A. uncella* (D. & S.).— C; G; day-flying in Coire Garbhlach. *A. geminana* (Don.).— day-flying north of B; a few on willow in Glen Derry, 1971, E.C.P-C. *A. myrtilana* (Treit.).— B; C; H; day-flying at E. *Bactra furfurana* (Haw.).— day-flying in the Lairig. *B. lancealana* (Hübner.).— B; day-flying at Loch Einich, on Creag Fhiacloch and at Sinclair Hut; Glen Derry in 1971, E.C.P-C. *Apotomis turbidana* (Hübner.).— three: at K, 30.vi.76; at C, 9.vii.76; and one day-flying above Loch an Eilein, 7.vi.76. *A. betuletana* (Haw.).— A; C; E; H; K. *A. sororculana* (Zett.).— C; F; day-flying at E. *A. sauciana grevillana* (Curtis).— day-flying at Sinclair Hut. *Orthotaenia undulana* (D. & S.).— E; F; day-flying at B, H, in the Lairig and by the Coire Follais burn. *Hedya nubiferana* (Haw.).— B; K; larvae on bilberry at E. *H. atropunctana* (Zett.).— A; H. *Olethreutes obsoletana* (Zett.).— “on Cairn Gorm at 1,000 m.”, Stirling & Godfrey, 1977. *O. bifasciana* (Haw.).— A. *O. mygindiana* (D. & S.).— larvae on bilberry on the lower slopes of Creag Fhiacloch; day-flying in Coire Garbhlach. *O. metallicana* (Hübner.).— one day-flying in the lower part of Coire Garbhlach on 19.vi.76. *O. schulziana* (Fab.).— day-flying at B, on the south face of Cairn Gorm at 1,150 m. and near the Argyll Stone above Creag Fhiacloch. *O. olivana* (Treit.).— “on Cairn Gorm at 1,100.”, Stirling & Godfrey, 1977. *O. lacunanna* (D. & S.).— A; B; E; H; K; day-flying at B and in the Lairig. *Pandemis cerasana* (Hübner.).— A; B; C; E; F; G; K; larvae on bilberry at E & F. *Argyrotaenia*

pulchellana (Haw.). — B; K; day-flying at Sinclair Hut, Einich Gate, above Loch an Eilein and in Coire Garbhach. *Sydemis musculana* (Hübner). — K; day-flying at E, F, at Sinclair Hut and above Loch an Eilein. *Aphelia virburnana* (D. & S.). — H; larvae on bog-myrtle at Achlean; day-flying at A, Loch Einich, in the Lairig, over Creag Fhiaclach/Coire Follais to 600 m., Sinclair Hut, Achlean/Coire Garbhach and in Glen Feshie NN/8888. *A. paleana* (Hübner). — above Coire Dhondail at 1,000 m. *Clepsis senecionana* (Hübner). — K; day-flying at E and at Achlean/Coire Garbhach. *Lozotaenia forsterana* (Fab.). — A; C; E; F; H; day-flying at B. *Philedone gerningana* (D. & S.). — recorded by E.C.P.C., ? date. *Pseudargyrotoza conwagana* (Fab.). — K. *Eulia ministrana* (L.). — C. *Cnephasia interjectana* (Haw.) — K. *C. incertana* (Treit.). — C; K. *Eana osseana* (Scop.). — A; B; C; E; F; G; H; K; day-flying in Gleann Einich, at Loch Einich, in Glen Feshie from Achlean to the River Eidart, at the back of Loch an Eilein and in Glen Luibeg. Glen Derry in 1971, E.C.P.C. *E. incanana* (Steph.). — A; C. *Acleris latifasciana* (Haw.). — A; B; C; E; H; day-flying at B and by the Coire Follais burn. *A. caledoniana* (Steph.). — E; F; larvae on bilberry/cowberry at Loch Einich; day-flying on Creag Fiaclach to tree-line, by the Coire Follais burn and in Coire Dhondial at 730 m.; Glen Derry in 1970, E.C.P.C. *A. rhombana* (D. & S.). — C; day-flying by Allt Ruadh and at Achlean. *A. aspersana* (Hübner). — A; E; K; day-flying at the back of Loch an Eilein. *A. tripunctana* (Hübner). — A; C; D; G. *A. logiana* (Clerck). — one at A on 4.v.76. *A. hyemana* (Haw.). — B; H; K; day-flying above Loch an Eilein. *A. lipsiana* (D. & S.). — two at H on 9.iv. 76. *A. maccana* (Treit.). — H; larvae on bog-myrtle at Achlean; Glen Derry in 1970, E.C.P.C. *A. emargana* (Fab.). — E.

COCHYLIDAE

Eupoecilia angustana (Hübner). — C; G; H; K; day-fly at Loch Einich, Achlean, above Loch an Eilein, on the north-east slope of Geal-charn, in the Lairig and in Glen Feshie NN/8888; Glen Derry in 1970 & '71, E.C.P.C. *Cochylis atricapitana* (Steph.). — K; *C. nana* (Haw.). — C; K.

ALUCITIDAE

Alucita hexadactyla (L.). — K.

PYRALIDAE

Chrysoteuchia culmella (L.). — E; K; day-flying at E and Achlean/Coire Garbhach. *Crambus ericellus* (Hübner). — two records only: at Loch Einich, 5.vii.76; and at Sinclair Hut, 31.vii.77. *C. pratellus* (L.). — K. *C. nemorellus* (Hübner). — A; C; F; G; K; day-flying at E, F, above Loch an Eilein and at Achlean. *Agriphila straminella* (D. & S.). — A; B; C; F; G; K; day-flying at A, by Allt Ruadh, around Loch an Eilein and in Glen Feshie to the bothy; Glen Derry 1970, E.C.P.C. *A. tristella* (D. & S.). — A; C; E; F; K. *Catoptria margaritella* (D. & S.). — A; B; E; H; day-flying in Gleann Einich; Glen Derry in 1971, E.C.P.C. *C. furcatellus* (Zett.). — day-flying in the

Cairn Gorm/Coire Raibert area and at the very top of Coire Garbhlach. *Scoparia ambigualis* (Treit.). — A; B; C; E; F; H; K; day-flying at Einich Gate, above Loch an Eilein, at Achlean and at the tree-line in the Lairig and on Creag Fhiaclach; Glen Derry in 1970 & '71, E.C.P-C. *Eudonia murana* (Curtis). — A; C; E; F; H; K. *E. truncicolella* (Stain.). — E; F; day-flying in the Lairig to tree-line. *E. angustea* (Curtis). — A. *Pyrausta purpuralis* (L.). — K; day-flying at Achlean/Coire Garbhlach. *P. ostrinalis* (Hübner.). — day-flying in Coire Garbhlach. *P. cespitalis* (D. & S.). — day-flying above Loch an Eilein. *Opsibotys fuscalis* (D. & S.). — E; K; Glen Derry in 1971, E.C.P-C. *Udea lutealis* (Hübner.). — B; C; K; day-flying at Achlean. *U. uliginosalis* (Steph.). — A; E; F; day-flying on Cairn Gorm at 1,150 m., above Coire Dhondail at 900+m., on edge of Coire Garbhlach at 950 m. and near Loch Etchachan at 900 m.; Glen Derry and Pools of Dee in 1971, E.C.P-C. *Aphomia sociella* (L.). — A. *Pyla fusca* (Haw.). — E; F; H; K. *Dioryctria abietella* (D. & S.). — A; B; C; E; F; H; K. *Amblyptilia acanthadactyla* (Hübner.). — K; day-flying at A, C. *A. punctidactyla* (Haw.). — day-flying above Loch an Eilein and Loch Gamhna. *Platyptilia pallidactyla* (Haw.). — K. *Stenoptilia bipunctidactyla* (Scop.). — G. *S. pterodactyla* (L.). — H; K.

PIERIDAE

Pieris brassicae (L.). — K; Loch an Eilein and one fresh male at 360 m. in Gleann Einich on 6.vii.76. *P. rapae* (L.). — K; Loch an Eilein. *P. napi* (L.). — K; Loch an Eilein and in Gleann Einich to 400 m. *Anthocharis cardamines* (Verity). — K; Loch an Eilein. Very good numbers in 1976 from 5.v. — I have no last date.

LYCAENIDAE

Callophrys rubi (L.). — recorded from B right round to E. *Lycaena phlaeas* (L.). — K; around Loch an Eilein. *Aricia artaxerxes* (Fab.). — Loch an Eilein. *Polyommatus icarus* (Rott.). — K; Loch an Eilein, Loch Gamhna, Coire Garbhlach and in Glen Feshie to the Eidart. Also seen regularly in good weather over the Eastern Plateau at over 1,200 m.; Glen Derry in 1971, E.C.P-C.

NYMPHALIDAE

Vanessa atalanta (L.). — K; only seen once in the Reserve: in the top of a pine tree at the tree-line in the Lairig. *Aglais urticae* (L.). — K; at lower level, seen at Loch an Eilein, around Einich Gate, Gleann Einich and at Inshriach; at higher level, around Loch Einich, on Creag Fhiaclach and quite often on the Eastern Plateau at 1,200 m. *Boloria selene* (D. & S.) — K; widely distributed from the Lairig right round to Glen Feshie NN/8888; maximum altitude: 460 m. in Gleann Einich and 750 m. in Coire Garbhlach. *B. euphrosyne* (L.). — seen from Gleann Einich round to the Eidart; highest altitude: 600 m. in Coire Garbhlach; Glen Derry in 1971, E.C.P-C.

(to be continued)